Claims

What is claimed is:

1. A bus bridge device for transfer of indefinite length burst transactions from a first bus to a second bus via said bus bridge device, said bus bridge device comprising:

a detector circuit to detect initiation of a burst transaction on said first bus wherein said burst transaction has an indefinite length; and

a translator circuit to translate said burst transaction to a new burst transaction having a predetermined length.

2. The device of claim 1 further comprising:

a configuration register to store a configuration value indicative of said predetermined length.

3. The device of claim 2 wherein said translator circuit includes:

a lookup table for determining said predetermined length from said configuration value.

4. The device of claim 1 further comprising:

a configuration switch to define a configuration value indicative of said predetermined length.

5. The device of claim 4 wherein said translator circuit includes:

a lookup table for determining said predetermined length from said configuration value.

6. A method operable in a bus bridge device for transfer of indefinite length burst transactions from a first bus to a second bus via said bus bridge device, the method comprising the steps of:

detecting initiation of a burst transaction on said first bus wherein said

burst transaction has an indefinite length; and

translating said burst transaction to a new burst transaction having a predetermined length.

7. The method of claim 6 further comprising:

storing a configuration value in a configuration register wherein said configuration value is indicative of said predetermined length.

8. The method of claim 7 wherein the step of translating includes the step of:

determining said predetermined length using said configuration value and a lookup table indexed by said configuration value.

9. The method of claim 6 further comprising the step of:

setting a switch to define a configuration value indicative of said predetermined length.

10. The method of claim 9 wherein the step of translating includes the step of:

determining said predetermined length using said configuration value and a lookup table indexed by said configuration value.

11. A slave device for transfer of indefinite length burst transactions received from a master device on a first bus to a device controller on a second bus via said slave device, said slave device comprising:

a detector circuit to detect initiation of a burst transaction on said first bus wherein said burst transaction has an indefinite length; and

a translator circuit to translate said burst transaction to a new burst transaction having a predetermined length.

12. The device of claim 11 further comprising:

a configuration register to store a configuration value indicative of said predetermined length.

13. The device of claim 12 wherein said translator circuit includes:

a lookup table for determining said predetermined length from said configuration value.

14. The device of claim 11 further comprising:

a configuration switch to define a configuration value indicative of said predetermined length.

15. The device of claim 14 wherein said translator circuit includes:

a lookup table for determining said predetermined length from said configuration value.

16. A method operable in a slave device for transfer of indefinite length burst transactions received from a master device on a first bus to a device controller on a second bus via said slave device, the method comprising the steps of:

detecting initiation of a burst transaction on said first bus wherein said burst transaction has an indefinite length; and

translating said burst transaction to a new burst transaction having a predetermined length.

17. The method of claim 16 further comprising:

storing a configuration value in a configuration register wherein said configuration value is indicative of said predetermined length.

18. The method of claim 17 wherein the step of translating includes the step of:

determining said predetermined length using said configuration value and a lookup table indexed by said configuration value.

19. The method of claim 16 further comprising the step of:

setting a switch to define a configuration value indicative of said

predetermined length.

20. The method of claim 19 wherein the step of translating includes the step of:

determining said predetermined length using said configuration value and a lookup table indexed by said configuration value.